

**CITY OF ASHEVILLE, NORTH CAROLINA
CLASS SPECIFICATION**

**TRAFFIC SIGNAL TECHNICIAN
ENGINEERING DEPARTMENT**

GENERAL STATEMENT OF DUTIES

Performs responsible skilled to skilled work in installing, maintaining and testing traffic signals and related equipment for the City. Employee reports to the Associate Traffic Engineer responsible for traffic signal operations.

DISTINGUISHING FEATURES OF THE CLASS

An employee in this class performs specialized technical and skilled to skilled work to guarantee the efficiency of the City's traffic signal operations. Work involves installing and maintaining the City's traffic signals and related equipment and assisting with related duties. Employee is also responsible for operating motorized equipment and for providing training and assistance to other Traffic Signal Technicians. Duties require that the employee remain on call 24 hours a day on a rotating schedule. Work is performed under limited supervision of the Associate Traffic Engineer and is evaluated in terms of the efficiency and effectiveness of duties performed.

ILLUSTRATIVE EXAMPLES OF WORK

ESSENTIAL JOB FUNCTIONS

Troubleshoots signal malfunctions, repairs faulty equipment, programs traffic signal controllers and tests completed work.

Repairs electronic equipment and circuits; wires electrical fixtures in accordance with National Electrical Code procedures and standards.

Operates motorized equipment such as pick-up trucks, forklifts, bucket trucks, aerial lifts, etc.

Maintains inventory of supplies and equipment used in daily activities.

Performs preventive maintenance work to traffic signals, and power and hand tools.

Reads and interprets electrical diagrams.

Locates and marks underground cables.

Installs banners.

Maintains a variety of records and prepares reports from them.

Sets up safety control devices at hazardous work zones.

TRAFFIC SIGNAL TECHNICIAN

Performs speed tests and traffic counts.

Responds to after-hours emergency calls on a rotating schedule.

ADDITIONAL JOB FUNCTIONS

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES

Considerable knowledge of principles and practices of traffic signal operation, troubleshooting and repair.

Considerable knowledge of the tools used in electrical maintenance and construction.

Considerable knowledge of the geographical layout of the City.

Considerable knowledge of the hazards involved in the operation of motorized equipment.

General knowledge of the principles and practices of electrical maintenance, including applicable safety practices and OSHA regulations.

General knowledge of traffic safety practices and procedures.

Ability to read and interpret electrical diagrams.

Ability to operate motorized equipment.

Ability to understand and comply with complex regulations and codes.

Ability to communicate effectively orally and in writing.

Ability to establish and maintain effective working relationships as necessitated by work assignments.

MINIMUM EXPERIENCE AND TRAINING

Graduation from high school and 3 to 5 years of related experience; and/or any equivalent combination of training and experience required to perform the essential position functions.

SPECIAL REQUIREMENT

Possession of an appropriate driver's license issued by the State of North Carolina.

COMPETENCIES

Technical Competency: Ability to use the tools and concepts of the specialty area in which the employee works. Includes using appropriate processes, procedures, resources, and work or professional standards.

TRAFFIC SIGNAL TECHNICIAN

Interpersonal Competency: Ability to work with people, develop and maintain work relationships, communicate, manage conflict, and perform as an effective team member.

Intellectual Competency: Ability to think, learn and process information. Ability to solve problems and gather necessary information. Includes having math and reading skills appropriate to job level.

Physical Skills: Ability to perform required jobs with adequate strength, dexterity, coordination and visual acuity (with reasonable accommodation[s] if needed) and in a manner that does not pose a direct threat to the health or safety of the employee or others in the workplace.

Salary Grade 15
Non-Exempt